

OTR-5002



Features

- RS-232/422/485 & CC long distance extension
- Small Form Pluggable fiber optic interface
- Up to 10Km on SM fiber
- Dual channel bi-directional transmission
- Secure optical transmission
- Cost effective, modular design
- Stand-alone or rack mount

The OTR-5002 is a compact, powerful fiber optic link capable of extending dual, bi-directional RS-232/422/485 up to 10 Km on SM fiber. Along with the serial data, 1ch of contact closure is sent on the same fiber. The units are built with a solid, cost effective, modular design for solid stand-alone or rack mount applications. It is the perfect solution for applications where long distance remote control or any secure application where complete isolation and EMI is essential. The OTR-5002 is powered with 12 VDC@1A and have a mini-XLR locking power connector for a more robust secure connection.



OTR-5002

Dual, Bi-Directional RS-232/422/485 & CC over fiber

Models

Model	Description
OTR-5002	Fiber optic extender link (tx & rx), Dual RS-232/422/485 serial data & 1 ch contact closure, bi-directional transmission, 12 VDC@1A power supply included, Compact modular enclosure

Specifications

Data Specifications	
Data Rate	DC to 115.2 Kbps
Data Type	RS-232, 422 or 485
Contact Closure	Normally Open, Form 1 SPST (5V)
Input/Output Connectors	Terminal block
Optical Specifications	
Distance	Up to 10 Km
Wavelength (Tx)	typical 1310nm
Optical Output Power (Tx)	-5 to +5 dBm
Wavelength (Rx)	1260 to 1620nm
Optical Input Power (Rx)	-10 dBm
Fiber Type	SM or MM (limited distance)
Fiber Connector	LC
Mechanical Specification	
Enclosure type	Stand-alone
Dimensions (L x W x H)	4.92" x 4.33" x 1.16"
Weight	8 oz
Mounting	Flange-mount
Power Specifications	
Power Supply	12 VDC
Power Consumption	3 Watts (max)
Environmental Specifications	
Operating Temperature	0 to 50 C
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	-20 to + 70 C

